

Date: Wed, 17 Mar 93 11:34:22 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #335
To: Info-Hams

Info-Hams Digest Wed, 17 Mar 93 Volume 93 : Issue 335

Today's Topics:

 Anybody got the J-pole file?
 Customer Service--HRO and others (2 msgs)
 Daily Solar Geophysical Data Broadcast for 16 March
 DESPERATE...NEED TO KNOW FACTS CONCERNING LEGALITY
 For Sale: Kenwood SM-230 Station Monitor
 MACSOFTWARE??????????
 Mobile rig suggestions?
 NYC Area hamfests
 OMNI VI - 80C32 cpu (2 msgs)
 Opinions solicited - 2 handhelds
 QRP power on the TS-850 ? (and Knwd Tech Ref manuals)
 Repair my HW-101??
 source for spools of wire
 Washing Radios?
 Wrinkle Paint
 Yaesu FT-530 vs. TH-28A (2 msgs)

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Wed, 17 Mar 1993 16:39:36 GMT
From: sdd.hp.com!hpscit.sc.hp.com!hpuerca.atl.hp.com!edh@network.UCSD.EDU
Subject: Anybody got the J-pole file?
To: info-hams@ucsd.edu

Just FYI (if anyone needs this info):
in addition to the twin-lead version, I have a nice write-up

I've done for the copper-pole version (sorry, no cutesy names).

Also, note new address, etc. info:

Cheers, Ed Humphries N5RCK
Hewlett-Packard NARC Atlanta GA
edh@hpuerca.atl.hp.com

Date: 17 Mar 1993 19:01:32 GMT
From: usc!elroy.jpl.nasa.gov!oak!laborde@network.UCSD.EDU
Subject: Customer Service--HRO and others
To: info-hams@ucsd.edu

In article <1993Mar14.043454.1611@proton.llumc.edu> britton@psi.llumc.edu (Barrie Britton) writes:

>With a few exceptions, the "salesmen" at Henry Radio in Anaheim (California)
>were the rudest, most indifferent bunch I have ever seen. Those Old Farts
>would stand behind the counter and BS with their buddies on the phone or in
>person and totally ignore customers who were waiting to buy something. They
>frequently "talked down" to youngsters or just pretended not to see them.
>They were demeaning to people who had questions or didn't appear ready to buy
>a full-up Collins station.

Sadly, this describes several recent experiences I have had at the *_HRO*_ in Anaheim.

>The Anaheim Henry store was eventually closed, and in a great twist of poetic
>justice, their old location is occupied today by HRO!

Has anyone checked to see if there is a old burial ground or something beneath this location?

Seriously, the HRO in Van Nuys is wonderful. It must be a cyclic thing that eventually strikes successful retail stores. After a period of declining sales, the good ones wake up and reaffirm their commitment to customer service. The bad ones (like Henry) dry up and blow away...

-Greg.

Date: Wed, 17 Mar 1993 19:19:17 GMT
From: news.service.uci.edu!ttinews!avatar!sorgatz@network.UCSD.EDU
Subject: Customer Service--HRO and others
To: info-hams@ucsd.edu

In article <1o7sicINNctj@elroy.jpl.nasa.gov> laborde@oak.Jpl.Nasa.Gov (Gregory R. LaBorde) writes:

>

>Seriously, the HRO in Van Nuys is wonderful. It must be a cyclic thing that
>eventually strikes successful retail stores. After a period of declining sales,
>the good ones wake up and reaffirm their commitment to customer service. The
>bad ones (like Henry) dry up and blow away...

>

>-Greg.

>

That Van Nuys HRO has improved over the last 5 years, but there have been so many different managers/salespersons there it is a real revolving door! The worst of their service seems to have involved their Station Setup services.

The guy who did one installation I saw (and ended up fixing!) wired the rig ground lead into the power box's ground so the neighbors got plenty of RFI and the antenna setup was marginally safe. In all not a \$200's-worth of real service.

(Hiya Greg! Say hello to Dr. Bob Rice for me! tnx!)

73!

-Avatar-> (aka: Erik K. Sorgatz) KB6LUY +-----+
TTI(sorgatz@soldev.tti.com)sorgatz@avatar.tti.com * Think Eco, not EGO! *
3100 Ocean Park Blvd. Santa Monica, CA 90405 +-----+
(OPINIONS EXPRESSED DO NOT REFLECT THE VIEWS OF CITICORP OR ITS MANAGEMENT!)

Date: 17 Mar 93 17:25:31 GMT
From: news-mail-gateway@ucsd.edu
Subject: Daily Solar Geophysical Data Broadcast for 16 March
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 075, 03/16/93
10.7 FLUX=121.7 90-AVG=135 SSN=084 BKI=4453 2442 BAI=023
BGND-XRAY=B2.6 FLU1=1.6E+07 FLU10=2.9E+04 PKI=5454 3453 PAI=028
BOU-DEV=046,054,088,037,018,065,067,016 DEV-AVG=048 NT SWF=00:000
XRAY-MAX= C6.3 @ 0001UT XRAY-MIN= B4.2 @ 2146UT XRAY-AVG= C1.4
NEUTN-MAX= +004% @ 2355UT NEUTN-MIN= -001% @ 1655UT NEUTN-AVG= +0.8%
PCA-MAX= +0.1DB @ 2000UT PCA-MIN= -0.4DB @ 1735UT PCA-AVG= -0.0DB
BOUTF-MAX=55419NT @ 0307UT BOUTF-MIN=55350NT @ 1805UT BOUTF-AVG=55398NT
GOES7-MAX=P:+112NT@ 1958UT GOES7-MIN=N:-015NT@ 0207UT G7-AVG=+076,+047,+010
GOES6-MAX=P:+138NT@ 0642UT GOES6-MIN=N:-151NT@ 0240UT G6-AVG=+092,-006,-064
FLUXFCST=STD:125,120,120;SESC:125,120,120 BAI/PAI-FCST=015,015,015/015,025,015
KFCST=3214 5122 3214 5122 27DAY-AP=036,011 27DAY-KP=1335 66*2 1123 4423
WARNINGS=*SWF

ALERTS=
!!END-DATA!!

NOTE: The Effective Sunspot Number for 15 MAR 93 was 72.6.

Date: 17 Mar 93 18:42:41 GMT
From: news-mail-gateway@ucsd.edu
Subject: DESPERATE...NEED TO KNOW FACTS CONCERNING LEGALITY
To: info-hams@ucsd.edu

> >> I am desperate to find out if it is legal to own a ham radio
> >> that has been modified to TRANSMIT out of band.
> >> ie. a Yaesu FT-23R that can be modified to transmit between
> >> 140-164 MHz...I think.
> >
> >It is legal for a ham to own an out-of-band radio because we do
> >experimentation.
>
> This is silly..... what experimentation can you do out of band. Its
> illegal to transmit out of band period. (ok except in an emergency).
> The TX out of band is just an effect of RX out of band.
> Even if he can modify for out of band TX he can not legally transmit
> out of band even if he has a license for that band.
>

It is not at all silly! What a narrow minded reaction! There are countless reasons for experimentation out of band, some related to amateur radio, but many unrelated to amateur radio. There are all sorts of scientific research applications involving radio frequencies that a good ham radio would be ideal for. The alternative for the researcher is to buy professional equipment at 5 times the cost. There is nothing wrong with transmitting at any frequency, provided that you contain your emissions via adequate shielding. I am as annoyed as anyone any time I hear illegal emissions, but it is not right to deny people the right to perform legitimate experimentation just because a few individuals might mis-use the capability.

73 BJ N3JLQ

Date: 17 Mar 1993 12:56:07 GMT
From: usc!elroy.jpl.nasa.gov!news.larc.nasa.gov!arbd0.larc.nasa.gov!
zawodny@network.UCSD.EDU
Subject: For Sale: Kenwood SM-230 Station Monitor
To: info-hams@ucsd.edu

I have an SM-230 with all cables and paperwork (including the boxes) for sale. This unit has had very little use. It is in mint condition and works perfectly. The list price is just under \$1,000 and AES sells it for \$900. I am asking \$800 plus shipping.

--

Joseph M. Zawodny (K04LW)
Internet: zawodny@arbd0.larc.nasa.gov
Packet: ko4lw@wb0tax.va.usa

NASA Langley Research Center
MS-475, Hampton VA, 23681-0001

Date: Wed, 17 Mar 1993 16:18:39 GMT
From: usc!howland.reston.ans.net!ux1.cso.uiuc.edu!news.cso.uiuc.edu!
ux4.cso.uiuc.edu!apeters2@network.UCSD.EDU
Subject: MACSOFTWARE??????????
To: info-hams@ucsd.edu

fsrla@aurora.alaska.edu writes:

>Howdy, I'm working on getting a No-Code Tech liscense
>and I was wondering, is there any Macintosh software
>out there (preferbly shareware) that I can use to help
>learn the technical aspects.
>Also, is there a program out there that I can use to learn
>the code ('cause eventually I will NEED it)?????????
>Any help is much appriciated!!!!!!

>Please e-mail any replies to FSRLA@ACAD3.ALASKA.EDU
me too please (although I alrady have my no-code license, I am interested
in upgrading SOON).

apeters2@ux4.cso.uiuc.edu
n9oni

>THANKS AGAIN!!!
>ROGER ASBURY

Date: Tue, 16 Mar 1993 19:59:58 GMT
From: das.wang.com!wang!news@uunet.uu.net
Subject: Mobile rig suggestions?
To: info-hams@ucsd.edu

I have recently received my Tech Plus license and am trying to decide what radio to put in my car. The Alinco DR-600T dual band, Kenwood TM-732A dual band, and Kenwood TM-741A multi-band have all been recommended.

(I currently have an Alinco DJ-580 HT).

Any suggestions or hints from the net would be appreciated!

Thanks and 73,
Nancy / N10EZ

Date: 15 Mar 93 20:14:07 GMT
From: mcsun!sunic!chalmers.se!etek.chalmers.se!andante.fy.chalmers.se!
f92anha@uunet.uu.net
Subject: NYC Area hamfests
To: info-hams@ucsd.edu

I will be visiting New York City from March 30th to April 18th, and would like to know of any hamfests that may be held in the area during that time. I expect to be able to read mail while in NYC, so do reply even if it's after March 30th.

Many Thanks,

Anders, f92anha@fy.chalmers.se, N2JGL

Date: Wed, 17 Mar 1993 16:16:54 GMT
From: usc!wupost!uwm.edu!linac!att!att-out!cbfsb!cbnewsg.cb.att.com!
wstrahl@network.UCSD.EDU
Subject: OMNI VI - 80C32 cpu
To: info-hams@ucsd.edu

Need help and suggestions from computer literate folks out there!

I have a Ten-Tec OMNI VI which uses a 80C32 cpu with the firmware on a 27C256 eprom. Being the curious person that I am and given that the rig uses a menu selection routine, I'm curious if there might be room left in the eprom for some "custom" features or modifications and just to understand how the control logic works. I used to be a pretty fair Apple IIe hacker and made up some custom ROM's for that thing, but I really haven't kept up too well with the PC stuff.

I have ready access to a ATT PC6300. My questions are...what will I need to read and disassemble that EPROM? Any recommendations/experience with common EPROM cards? What will it take to work on 80C32 software on my PC compatible? Where can I get the appropriate stuff I'll need? I have a rather high frustration tolerance level but I need help just to 'begin' getting this idea off the ground!

Thanks group!!

Wayne Strahl - W9II wstrahl@cbnewsg.att.com

Date: 17 Mar 93 18:40:18 GMT
From: ogicse!uwm.edu!linac!att!cbnews!wrb@network.UCSD.EDU
Subject: OMNI VI - 80C32 cpu
To: info-hams@ucsd.edu

In article <1993Mar17.161654.22013@cbfsb.cb.att.com> wstrahl@cbnewsg.cb.att.com (wayne.a.strahl) writes:

>
>Need help and suggestions from computer literate folks out there!
>
>I have a Ten-Tec OMNI VI which uses a 80C32 cpu with the firmware on a
>27C256 eprom. Being the curious person that I am and given that the
>rig uses a menu selection routine, I'm curious if there might be room
>left in the eprom for some "custom" features or modifications and just
>to understand how the control logic works. I used to be a pretty fair
>Apple IIe hacker and made up some custom ROM's for that thing, but I
>really haven't kept up too well with the PC stuff.
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>I have ready access to a ATT PC6300. My questions are...what will I need
>to read and disassemble that EPROM? Any recommendations/experience with
>common EPROM cards? What will it take to work on 80C32 software on my
>PC compatible? Where can I get the appropriate stuff I'll need?
>I have a rather high frustration tolerance level but I need help just
>to 'begin' getting this idea off the ground!
>
>Thanks group!!
>
>Wayne Strahl - W9II wstrahl@cbnewsg.att.com
>

Since the 80C32 is a member of the 8051 family, I would guess that there are some cheap/free disassemblers available. I would post to sci.electronics and ask. Before you do that, why not give Ten-Tec a call? Agreed, this sounds a bit of a reach even for their legendary support, but they just might give you a peek at the code.

You'll need an assembler to write your own code. Again, ask on sci.electronics. There is also a good book that introduces the 8051 - can't remember the name off-hand. E-mail me and I will get the details. It includes a disk with a decent assembler. Then you'll need something to burn the EPROMs. Nice little EPROM programmers are available that should

work in you 6300 for around \$100-150. Needham's Electronics comes to mind. Check out issues of Computer Craft and/or Circuit Cellar Ink.

Of course, this will not get you any debugging capabilities (i.e. ICE). You'll be working in the "burn-and-crash" cycle. A guy around here got a nice little ICE and programmer for the 8051 for about \$350. Hope this helps. 73 de AA8DX.

```
+=====+      Happy user of OS/2 2.0!
| Wally Blackburn      |      Ask me about it!
| wrb@ccsitn.att.com   |
| AT&T NSD             |
| Amateur Radio Station AA8DX   |      Clinton-Gore - Socialist Leadership
| 614-575-6604         |      for the 90's!
+=====+
```

Date: Wed, 17 Mar 1993 18:42:06 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!wupost!uwm.edu!linac!att!att-out!cbnews1!spf@network.UCSD.EDU
Subject: Opinions solicited - 2 handhelds
To: info-hams@ucsd.edu

Folks,

I'm comparing two Kenwood handheld VHF units, and was wondering if anyone has any opinions about or experience with either or both of these units.

1. The "budget" option is a Kenwood TK240D,
22 channel scanning programmable with LCD display.
My source can get me this for about \$540 with battery.
2. The "luxury" option is a Kenwood TK230SCKA,
20 channel scanning programmable with Alphanumeric display
and greater battery capacity.
He's offering me that one for about \$800 with battery.

He says #2 is larger and more durable (part of my use is game warden work, which can be rough on gear), and has more options (like a shoulder mount speaker mike). He also says #2 has better sound quality, and I can imagine that the alpha display is a nice feature. But there's a considerable price difference, so I'm more than a little hesitant.

Are there other tradeoffs which might help me make an informed decision?

Thanks!

Steve Frysinger

Date: Wed, 17 Mar 1993 15:34:09 GMT
From: news.acns.nwu.edu!casbah.acns.nwu.edu!rdewan@network.UCSD.EDU
Subject: QRP power on the TS-850 ? (and Knwd Tech Ref manuals)
To: info-hams@ucsd.edu

In article <1993Mar17.125300.20709@mnemosyne.cs.du.edu> jman@nyx.cs.du.edu (John Man) writes:

>Is there any way to reduce the output power on the TS-850 from the minimum
>of 10W to 5W. I read somewhere else that this might affect the automatic
>ATU ? I suppose I could use an attenuator, but this would affect my
>sensitivity. Any other hints and kinks about this rig would be welcome.
>Please reply by e-mail. Thanks,

No problem. My TS850s goes down to 5W when the power knob is cranked down. It put out the required 10w for the ATU when the "Tune" button is hit. Nice huh! It turns out that the 850 has a really fancy power control function that interacts independently with the ATU - which sets its own power level.

There is a pot, easily accesible from the bottom hatch, that allows you to turn the minimum power down. I can look that up in the Tech Ref manual if you would like.

BTW, talking of tech ref manuals - the TS850 manual upsets me a little.
* cost: \$50+ with shipping
* in many parts of the manual it says - "Refer to the TS950S manual for details" UGH!!!

Rajiv
aa9ch
Address: r-dewan@nwu.edu
Phone: None. Only CW.

Date: Wed, 17 Mar 1993 17:39:12 GMT
From: sdd.hp.com!cs.utexas.edu!convex!usenet@network.UCSD.EDU
Subject: Repair my HW-101??
To: info-hams@ucsd.edu

}I noticed that you are on 28.3999574638290 , could you come up a
}to freq ?"

I used to get that kind of garbage from the AF-MARS frequency gestapo.

I'd like to know HOW they can tell that you are off frequency when you're operating Silly Side Band, with full carrier suppression, and they don't know what your voice sounds like...

Obl O.F. comment follows...

Back in the early days of RTTY, when you joined an autostart channel, you had to be +/- 10hz or some of the guys couldn't print you. This is because many of the stations were unmanned or xtal controlled.

Now as long as your VFO is somewhere in the CW portion of the band it is close enough...

--

Tony J. Podrasky
San Diego , Ca
tonyp@convex.com

There is nothing wrong with your CRT;
do not attempt to adjust the picture.
WE are controlling transmission...

QSL? QRU? QRZ? QLZ? QFA?

- The Control Voice

Date: Tue, 16 Mar 93 11:08:58 CST
From: ddsww1!gagme!precipice!ant-vent@uunet.uu.net
Subject: source for spools of wire
To: info-hams@ucsd.edu

alanb@hpnmdla.sr.hp.com (Alan Bloom) writes:

> In rec.radio.amateur.misc, tonyp@convex.com (honey bunny) writes:
>
> >I need to get wire. Lots of wire. About 3,000' (holy rhombic, batman!)
> >Does anyone know of a place that will sell small lots to the public?
>
> >What is the best gauge to use - seeing as it will be spanning about
> >600' non-stop (between tie points)?
>
> >Is stranded or solid better?
>
>

Try contacting your local FARM supply store... They carry Electric fence wire that is GREAT for long-wire antennae, Rhombics, etc.

It usually comes on 1/4, 1/2, and 1 mile spools. This stuff used to be

copper-weld, but most of the new stuff is galvanized. The Ohmic losses will be slightly greater than copper-weld, but it still works quite well.

GL, 73, etc. Paul -- K9ERG

Date: Wed, 17 Mar 1993 16:59:53 GMT
From: sdd.hp.com!hpscit.sc.hp.com!hpextra!hpfcso!wells@network.UCSD.EDU
Subject: Washing Radios?
To: info-hams@ucsd.edu

Hi,

If you decide that the dishwasher will hold the device ok, use 2 or 3 DROPS of regular dish soap. Regular dish soap will foam up like crazy so don't pour in half a cup... the XYL may not think a kitchen full of foam is all that amusing (or maybe she might). Regular dishwasher soap is nasty stuff and shouldn't be used on items that aren't all that dirty since the soap tends to eat paint off front pannels and such (sad experience).

The important thing to remember is that water and specially with soap added will remove most if not all lubrication.

I wash fans and motors and the like all the time but the lubrication must be restored to the bearings and light graphite sprayed onto brush housings to keep the mechanics from rusting shut.

Another real important thing to remember is to power dry the unit. If a chassis or motor is left to drip dry slowly over several days it is almost guarenteed to make rust or other grungie things will happen. The way to power dry is either with a hair dryer at a safe distance or set the chassis in front of a box fan running at high speed (Chassis leaning up against the grill so that the maximum surface area is being blown upon).

Observations from the front line...

John (WA0LHB) in das Fort

Date: Wed, 17 Mar 1993 18:41:50 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!zaphod.mps.ohio-state.edu!pacific.mps.ohio-state.edu!linac!sunova!usenet@network.UCSD.EDU
Subject: Wrinkle Paint
To: info-hams@ucsd.edu

In article <1993Mar17.135255.23820@odin.corp.sgi.com>

adams@chuck.dallas.sgi.com (Charles Adams) writes:

story about finding and using wrinkle painted deleted.....

>The Adams DFW rule applies here. the DFW rule is: don't fool with it!! or
>any other four letter word you wanna use. ;-)

>73 de k5fo chuck dit dit

How odd.....I have the same Adams DFW rule :)

Chuck Adams, WB5WRR (The Chuckster)
Not an official document of DOE, SSCL, URA or EG&G
"I cut you three ways, man: quick, deep and frequently"
Internet: chuck_adams@qmail.ssc.gov

Date: Wed, 17 Mar 1993 16:37:40 GMT
From: usc!wupost!csus.edu!netcom.com!jfh@network.UCSD.EDU
Subject: Yaesu FT-530 vs. TH-28A
To: info-hams@ucsd.edu

paulc@fc.hp.com (Paul Christofanelli) wrote:

> So, there you have it. Hope you HT buyers find this useful.

Yes, I did. My license should arrive any week now, so it's time to buy.

> When I
> was looking, the 530 was about 80 dollars cheaper. I decided that the
> alpha labeling wasn't worth 80 bucks. Now the price differential is
> closer to 50 dollars. I like the ergonomics of the 530 and wouldn't
> trade although I'm sure one could be happy with either, unless you
> really want the alpha labeling (get the TH-78), or DON'T like the
> spurious signal problems (don't get either one).

Is there any 2m/440 HT that doesn't have those problems?

--

Jack Hamilton jfh@netcom.com P. O. Box 281107 SF, CA 94128-1107

Date: Wed, 17 Mar 1993 18:21:19 GMT
From: sdd.hp.com!col.hp.com!fc.hp.com!paulc@network.UCSD.EDU

Subject: Yaesu FT-530 vs. TH-28A
To: info-hams@ucsd.edu

Jack Hamilton (jfh@netcom.com) wrote:

:

: Is there any 2m/440 HT that doesn't have those problems?

:

Hmmm, good point. Haven't heard of any clear winners in the dual-band arena, but I wouldn't call myself very knowledgeable, especially when it comes to Standard or even Alinco. Someone mentioned that the 530's predecessor, the FT-470 was decent for a dual-bander. It seems like the relation is currently: Spurious Signal Sensitivity is directly proportional to Wideband Receive Sensitivity. The FT-470 sensitivity dropped pretty quickly out-of-band.

How about an internal bandpass filter that's switched in when you're in the ham bands and switched out otherwise? Might not add much to the cost of these rigs and would make them much more usable in urban environments. Or, on those HT amplifiers, substituting a bandpass filter that can be switched in or out for the pre-amp that many of them have...

-Paul C. KG0CZ

End of Info-Hams Digest V93 #335
